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6 day rat cerebellum

6 day rat brain

Adult rat cerebellum

G3PDH

OGFr

Figure 1

-150 -60	TGGGCTCAGCACACACACACACACACACACACACACACAC	1
31	-GAGGAGGAGAGGAGGAGGATGGCGAGGATGGCCAGGGGGATGATACGACGGAGACACGGGGGGACGACGATGAGGGCGACGCGGAGGAGAGGAGGAGGAGGAGGAGGAGGA	41
121	CON COCCONN CONTENTED A CTOCA CONTENTANCA COCCANACTACCONNACTACCOCCACANTOCAGACATGCAAAGATACCGGCACAACTACCGG	
	AlaxigProSerLeuPheGlnSerArgHetThrGlyTyrArgAsnTrpArgAlaHetGlnAspHetGlnArgTyrArgHisAsnTyrPro -GATTTGACAGATCAAGACTGCAATGGTGACATGTGCAACCTGAGCTTCTACAAAAATGAGATCTGCTTCCAGCCAAATGGGGGTTCTCATC	•
	AspLeuThrAspGlnAspCysAsnGlyAspMetCysAsnLeuSerPheTyrLysAsnGlulleCysPheGlnProAsnGlyAtabed112	
	-GAGGACATTCTTCAGAACTGGAAAGACAACTATGACCTCCTGGAAGAGAATCACTCCTACATCCAGTGGCTGTTTCCTCTGCGGGGAACCA GluaspileLeuglnasnTrpLysaspasnTyraspLeuLeuglugluasnHisSerTyrIleglnTrpLeuPheProLeuArgGluPro	130
	-GGAGTGAACTGGCACGCCAAGCCCCTCACCCTGAAGGAGGTTGAGGCATTTAAAAGCTCCAAGGAAGTCAGAGAGCGTCTTGTCCGGGCC GlyValAsnTrpHisAlaLysProLeuThrLeuLysGluValGluAlaPheLysSerSerLysGluValArgGluArgLeuValArgAla	160
	-TATGACCTCATCCTGGGCTTCTATGGGTTCCACCTTGAGGACCGGGGCACGGGTGCTGTATGCCGTGCACAGAACTTCCAGCCGCGCTTC TyrGluLeuMetLeuGlyPheTyrGlyPheHisLeuGluAspArgGlyThrGlyAlaValCysArgAlaGlnAsnPheGlnProArgPhe	190
	-CACAATCTGAACAGCCACAGCACAACAACGTGCGTATTACACGCATCCTCAAGTCACTGGGTGAGCTGGGCTTAGAACACTACCAGGCA HisasnLeuAsnSerHisSerHisAsnAsnLeuArgIleThrArgIleLeuLysSerLeuGlyGluLeuGlyLeuGluHisTyrGlnAla	220
661	-CCCCTGGTCCGCTTCTTCCTGCAGGAGACCCTTGTACAGCACAAACTGCCCAGCGTGCGCCAGAGTGCCCTGGACTACTTCCTGTTCGCT ProLeuValArgPhePheLeuGluGluThrLeuValGlnHisLysLeuProSerValArgGlnSerAlaLeuAspTyrPheLeuPheAla	250
فين د	-GTGCGCTGCCGGCACCAGCGCGGGAGCTTGTGTACTTTGCCTGGGAGCACTTCAAGCCTCGCCGAGAGTTTGTCTGGGGGCCCCGTGAC ValArgCysArgHisGlnArgArgGluLeuValTyrPheAlaTrpGluHisPheLysProArgArgGluPheValTrpGlyProArgAsp	280
==	-AAGCTGCGGAGATTCAAGCCCCAGACCATACCCCAGCCACTGACGGGACCAGGGGCAGGCA	310
1	-AAGAGGCTGGCACCCAGGGTCGGACCTGTGGATCTGGAAGGGACCTGAGTGGGGACAGTGGAACAGCTGAGGATCCCTCACTGCTGAAC GlnGluAlaGlyThrGlnGlyArgThrCyaGlySerGlyArgAspLeuSerGlyAspSerGlyThrAlaGluAspProSerLeuLeuAsn	340
÷.	-ACARAGCCCTCAGATGGGGGAACCTTGGATGGGAACCAGAGGGATGAAGCTAAGTCCCTGAGTCCCAAGGAGAGGAGAAGAAAAGGAAATTG ThrLysProSerAspGlyGlyThrLeuAspGlyAsnGlnArgAspGluAlaLysSerLeuSerProLysGluSerLysLysArgLysLeu	370
4	-CAGGGGAACAGGCAGGAGGAGGGAGGGAGGCAGATCCCCAGGGTGTCTCTGAGGTAGAGAAAATTGCCCTTAACCTTGAGGAGTGT GluGlyAsnArgGlnGluGlnValProGlyGluAlaAspProGlnGlyValSerGluValGluLysIleAlaLeuAsnLeuGluGluCys	400
a. Ea	-GCCCTTAGCCCTATCAGCCAGGAGCCCAGGGAGGCTGAACCGCCCTGTCCTGTGGCCAGGGTGGCTAATGAGGTAAGAAAGCGGAACGAAG AlaLeuSerProlleSerGlnGluProArgGluAlaGluProProCysProValAlaArgValAlaAsnGluValArgLysArgArgLys	430
	-GTGCAGCAAGGGGCTGAGGGTGATGGAGTAGTCAGTAACACTCAAATGCAGGCCAGTGCCCTGCCTCCTACCCCTTCAGAGTGTCCTGAG ValGluGluGlyAlaGluGlyAspGlyValValSerAsnThrGlnMetGlnAlaSerAlaLeuProProThrProSerGluCysProGlu	460
381	-GCCCANAAGGATGGGAATGGGCCAGAGGACTCAAACAGCCAGGTTGGGGCAGAGGATTCCAAAAGCCAGGTGGGGCCAGAGCATCCAAACACAAAAGCAAGAATGGGAATGCAAAACAACAAAAAAAA	490
	-AGCCAGGTGGGGCTGGAGGACCCAAACAGCCAGGTCGGGCCAGAGGACCCAAACAGCCAGGTCGGGCCAGAGGACCCAAACAGCCAGGTC SerGlnValGlyLeuGluAspProAsnSerGlnValGlyProGluAspProAsnSerGlnVal	520
561	-GGGCCAGAGGACCCAAACAGCCAGGTCGGGCCAGAGGACCCAAACAGCCAGGTGGTGGGGCCAGAGCAAGCTGCCTCTAAGAGCCCTGTG GlyProGluAspProAsnSerGlnValGlyProGluAspProAsnSerGlnValValGlyProGluGlnAlaAlaSerLysSerProVal	550
651	-GAGGACCCTGACTCTGACACTATGGGAACCTCAGTGGATGAGTCAGAGGAGTTGGCAAGGATTGAGGCCTCTGCTGAACCCCCAAAGCCT GluaspProAspSeraspThrMetGlyThrSerValaspGluSerGluGluLeuAlaArgIleGluAlaSerAlaGluProProLysPro	580
	-TAGAGGTGCATCTCATCTCACTCACCCACTGCGGGGTTTCTGAGTCCAGAGCTCTGCGGTAGGTCTTCTTGGTGCCACACTCC -TGGCCTCTCCCTAGTGGTCACTGAGGTGGCCACAGAGGGCCTGCGCCCTCAGGGAAGGCCAAGGCCTTCAGAAACCCTCCTTAC -CTCACTGTGTCCTCCACTCCACTGCGCTCTGAGGCCCTGCGTTGTGATCAGACCCTAAGGGTCTAGAGGGAGG	

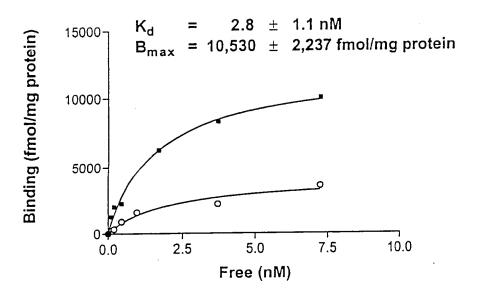


Figure 3

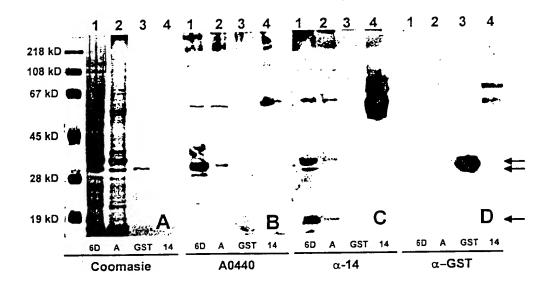


Figure 4

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in the second

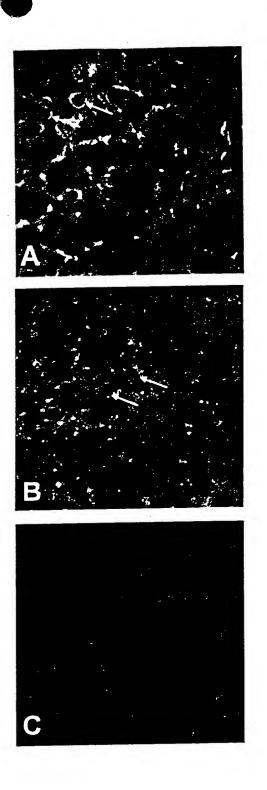


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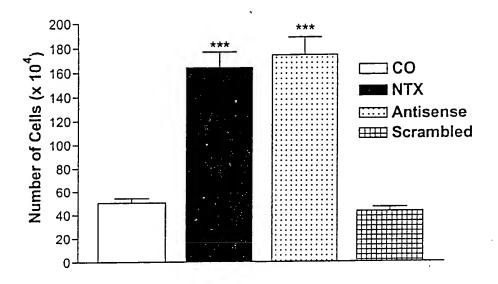


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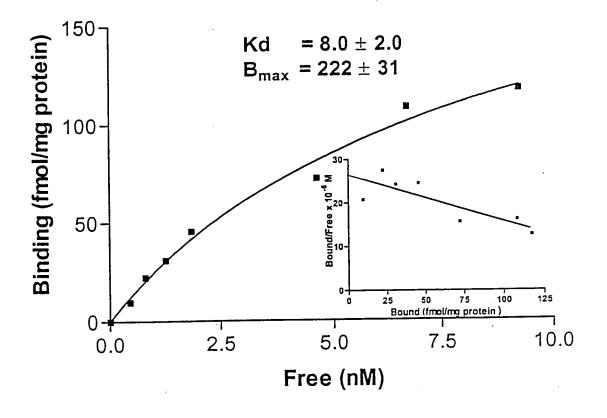
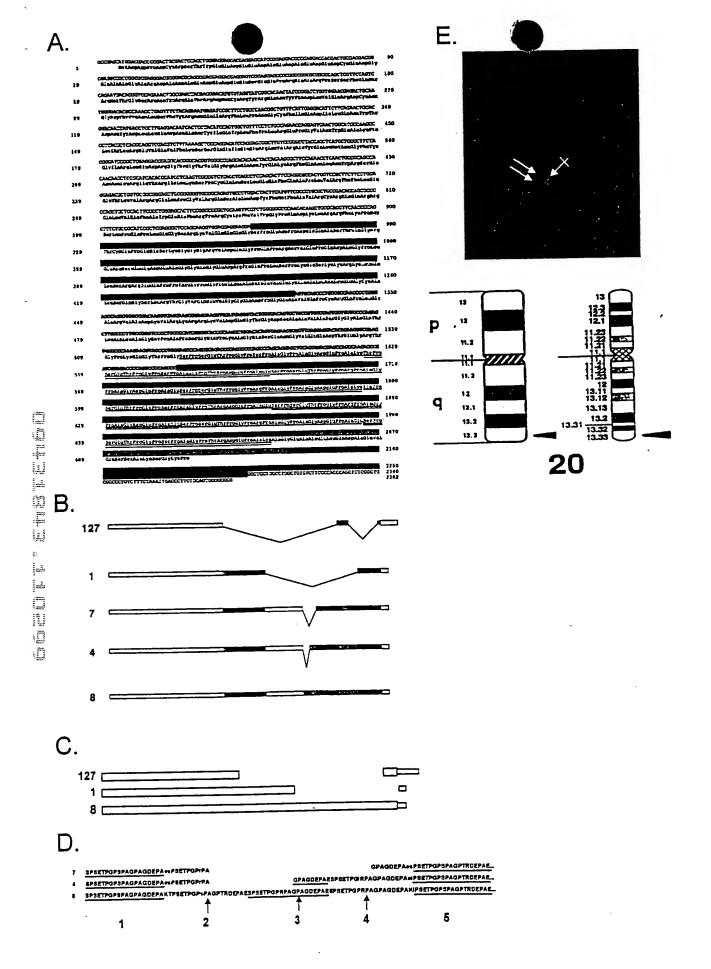


Figure 7

The state of the last



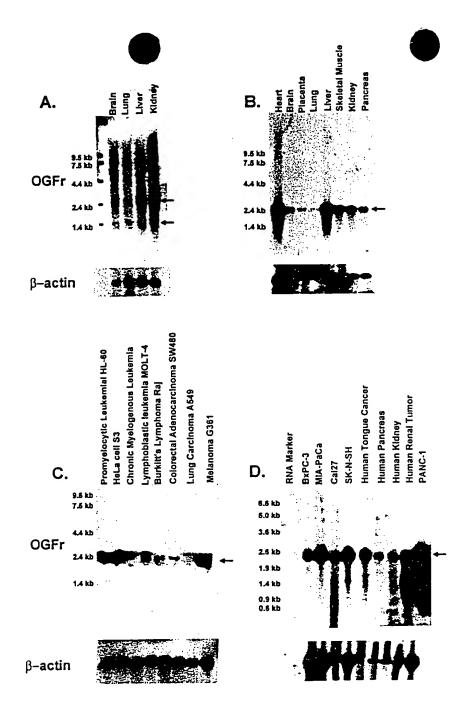


Figure 9

The state of the first

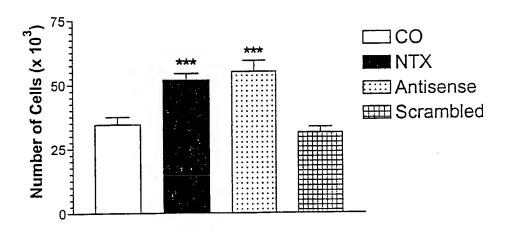


Figure 10

Human and Rat OGFr

	79% Identical/ 87% Similar	39.5% Identical/ 56% Similar		20% Identical/ 43% Similar	
1		297 46	64	69° 69°	7

Amino Acid Number

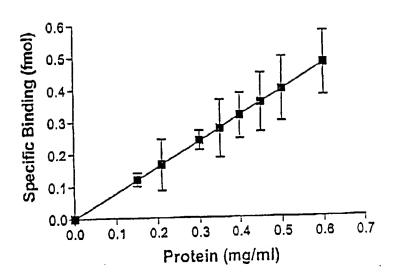


Figure 12

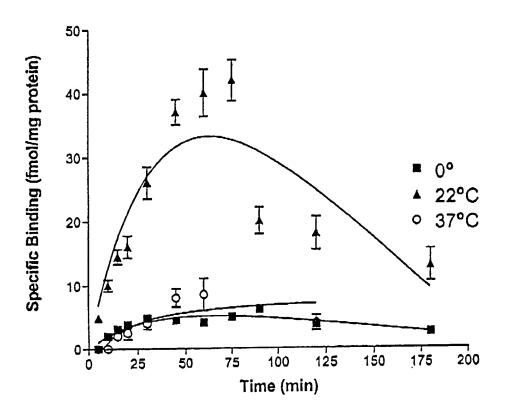


Figure 13

The state of the last

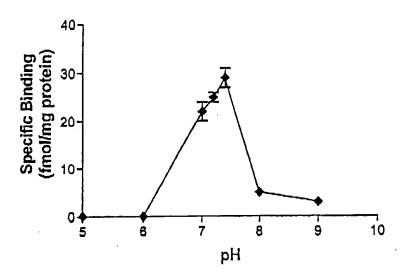


Figure 14

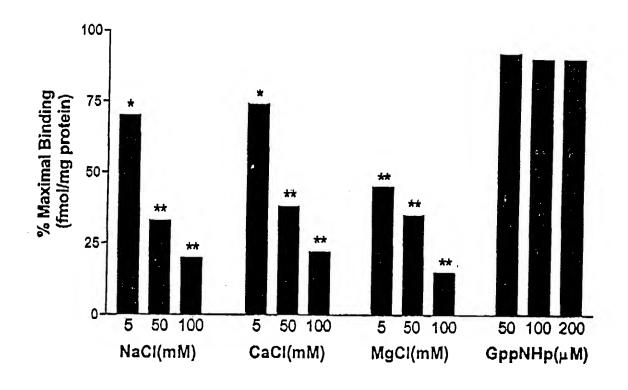


Figure 15

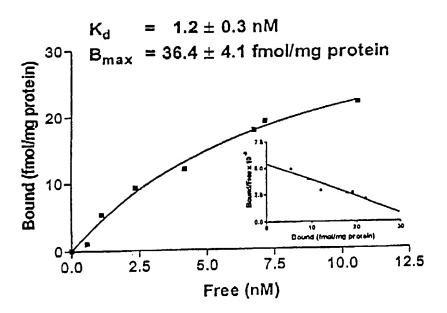


Figure 16